THE MINISTER OF STATE IN THE MINISTRY OF PLANNING (SHRI AJIT PANJA) : (a) No, Sir. The Seventh Five Year Plan 1985-90 has itself been formulated in the perspective of the next 15 years i.e. 1985-2000. In this connection, a reference is invited to chapter 2 of Volume I of the Seventh Plan Document, which has already been placed on the Table of the House on 4 December, 1985.

(b) and (c) Do not arise.

Launching of Indian made Satellites into space

2505. SHRI KALPNATH RAI : Will the Prime Minister be pleased to state :

(a) whether any programme has been drawn up for the next decade for launching an Indian made satellites,

(b) if so, what are the details thereof; and

(c) whether any space launching stations suitable for the purpose are being constructed in the country.

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI SHIVRAJ PATIL) : (a) and (b) Low earth orbiting and geostationary experimental stellites fabricated in India have been launched beginning from 1975 . While a tentative long term perspective for the period ending 2001 AD has been identified, a detailed programme, including operational satellites to be launched will be drawn up after necessary studies are completed. The programme for the next decade will include the consolidation and continuation of the various projects and programmes which are contained in the Space Profile for the current decade (1980-90), operationalisation of remote sensing applications, communication TV broadcasting, Polar stellite launch vehicles and Geostationary launch vehicles and introducation of the second generation satellites and launch systems. In addtion it will also contain new initiatives in terms of advanced systems. development of both space and ground based systems for intensive spread of education, etc.

(c) The country has already got a Launching Range at Sriharikota. Studies are going on on the question of additional satellite launching stations in the country.

Production of vital chemical for rocket fuel

2506. SHRI HARVENDRA SINGH HANSPAL : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that a vital chemical for rocket fuel has been produced in the country for the first time ;

(b) whether it has been done by the public or private sector ;

(c) whether this fuel has so lon been imported ; and

(d) if so, the cost there of and the names of the countries from where it was being imported ?

THE MINISTER OF STATE IN THE MINISTRY OF SCEINCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI SHIVRAJ PATIL) : (a) and (b) Yes, Sir, Most important vital chemical for Rocket Fuels are produced in the country. These have been primarily developed by the

Departmnet of Space and the technology has now been passed on to Indian industries for large scale production, to meet the continuing requirement of the Department. These include, High Energy Fuel Polybutadyne Fuel Polymers, for solid Propellants and Unsymmetrical Di Methyl Hydrazine (UDMH) for Liquid Propellants. The high energy solid propellant Hydroxy Terminated polybutadyne (HTPB) has been developed on laboratory scale at the Vikram Sarabhai space Centre Trivandrum. A private company will be producing HTPB for metting ISRO requirements under licence from ISRO.As regards UDMH the ISRO knowhow has been passed on to firms in public and private sectors for meeting requiremnts of ISRO.

(c) and (d) Some of the chemicals which are required in small quantities and in the exigencies of various projects, are imported at standard international prices, as and when necessary.

Rivers facing acute water pollution

2507. SHRI KALPNATH RAI
SHRI K. VASUDEVA PANICKER :

Will the PRIME MINISTER be pleased to state :

(a) whether any measures have been taken to identify the rivers in the country which are facing acute water pollution ; and

(b) if so, what anti-pollution steps have been initiated for their cleaning?

THE MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI Z. R. ANSARI) (a) Yes, Sir River-basin wise studies have bee carried out for all the major rive in the country and polluted stretch have also been identified.

(b) The anti-pollution steps taken include the following:

(1) Ganga Action Plan has been launched for control of pollution of river Ganga ;

(2) Industries are being persuaded to instal effluent treatment plants and treat their effluents to the prescribed standard before discharing them into water bodies; and

(3) Legal action is taken against defaulting units which do not comply with necessary pollution control measures in spite of persuasion.

Chairmen/Vice Chairmen of the Administrative Tribunals

2508. SHRI K. VASUDEVA PANICKER : Will the PRIME MINISTER be pleased to refer to the reply to Unstarted question 1211 given in the Rajya Sabha on the 28th November 1985 and state what are the names of the Chairmen, Vice-Chairmen of the Administrative Tribunals so far set up ?

THE DEPUTY MINISTER IN THE MINISTRY OF PERSONNEL AND ADMINISTRATIVE REFORMS AND PUBLIC GRIEVANCES AND PENSION (SHRI P. CHIDAMBARAM) : There is only one Central Administrative Tribunal. The information sought is given in the statement :

Statement

1.	Principal and Additional Benches, New Delhi.	Shri Justice K. Madhava Reddy (Retd.) —Chairman. Shri B. C. Mathur—Vice-Chairman. Shri B.S. Sekhon—Vice-Chairman.
2.	Additional Bench, Allahabad	Shri Justice Zaheer Hassan (Retd.) —Vice-Chairman.
3.	Additional Bench, Bombay	Shri Justice B. C. Gadgil (Retd.) —Vice-Chairman.
4.	Additional Bench, Calcutta	Shri Justice Asha Mukul Pal (Retd.) —Vice-Chairman.
5.	Additional Bench, Madras	Shri Justice G. Ramanujam (Retd.) —Vice-Chairman.